



QUALITY CERTIFICATE

Vessel

SHORE TANK NO. 4

Customer **SPRAGUE** Operation

ANALYSIS

Port Date

Terminal

SEARSPORT, MAINE

December 23, 2004

SPRAGUE

SP/04/1224 Report

Reference

Sample # 326361-2-3

Name of material being tested Description of sample source Samples Drawn by (company) Samples Tested by (company) **NO. 6 FUEL OIL 2.0%**

EX. SHORE TANK NO. 4 AFTER DISCHARGE OF SEAWAY L **BSI-INSPECTORATE BSI-INSPECTORATE**

Tests being Performed	Test method	Minimum Maximum	Sample Source
	,		
GRAVITY, API @ 60 F	ASTM D 4052		11.0
FLASH POINT, F	ASTM D 93		199
VISCOSITY, SSF @ 122 F	ASTM D 445/2161		223
POUR POINT, F	ASTM D 97		+26.6
WATER & SEDIMENT, % VOL.	ASTM D 1796		0.05
SULPHUR, % WT.	ASTM D 4294		1.993
Ч, % WT.	ASTM D 482		0.059
NADIUM, PPM	AA/AE		220
SODIUM, PPM	AA/AE		16
BTU'S/POUND	CALCULATION	1	18,282
BTU'S/GALLON	CONVERSION		151,192
NITROGEN, % WT.	ASTM D 3228		0.484
CARBON RESIDUE, % WT.	ASTM D 4530	i .	18.49
ASPHALTENES, % WT.	IP-143		10.75
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SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS			
REPRESENTING THE SPECIFICATIONS OF THE P			
TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF			
ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON			•
A COMPOSITE BASIS IN SPRAGUES TERMINAL'S			
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DENNIS E. CURTIS

Inspectorate America Corp (Searsport, Me.)